

in the figure, being the two lines of helics in parallel.

4) Spanning these two lines which wind helically upwards the stem, each set of two leaves, represented by a hollow scar and a raised lump (for example, 1 and I, 2 and II, and so on) in fig. 1 combining each two in opposite directions, is the member of the spiro-scalate phyllotaxis which is the transitional stage in the evolution of phyllotaxis.

5) *Palaeostigma* has opposite leaves arranged in the spiro-scalate type with the averaged divergence angle in  $45^\circ$ .

6) The other genera discovered from the Devonian Cape System i.e. *Drepanophycus*, *Leptophloeum*, *Haplostigma* and *Protorepidodendron*, all have the phyllotaxis in alternate verticillate type. Comparing to these genera, *Palaeostigma* seems to evolve further to such a degree as in the spiro-scalate phyllotaxis of opposite leaves.

7) Judging from the phyllotaxis type and the presumable scar of leaf trace it is better to transfer the genus *Palaeostigma* to Lycopsidea from Psilophyta.

8) If we insert a branch belonging to F-class, between these two members of any set of leaves we may obtain SFS combination of a combined system of leaf and branch which we are familiar in *Cordaites*.

#### Literature

- 1) Maekawa, F. A new attempt in phylogenetic classification of plant kingdom. Journ. Fac. Sci. Univ. Tokyo, Sect. III 7 (14): 543-569 (1960)—2) Plumstead, Edna P. A general review of the Devonian fossil plants found in the Cape System of South Africa. Palaeontol. Africana 10: 1-83 (1967)

□訂正 本誌 42 卷 p. 311 7 行目「が、台湾……」から 11 行目「大切に扱われたという」まで 5 行にわたって削除。メキシコの松田英二氏、沖縄の天野鉄夫氏、大阪の藤田安二氏から、削除した部分の田代氏は田代安定氏であり、田代善太郎氏には関係がない由の御注意があった。本文にも書いたようにこの部分は大井次三郎氏との電話で聞いた話を挿入したもので、大井氏自身もその時一寸思い違いをしていられた由である。小生の不注意をお詫びします。同 p. 310 下から 13 行目「中頭郡」を「国頭郡」とする。これも天野氏の御指摘による。

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